IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method for etching a polysilicon gate structure in a plasma etch chamber, comprising:

defining a pattern protecting a polysilicon film to be etched; striking a plasma;

etching substantially all of the polysilicon film that is unprotected;

introducing a silicon containing gas at a flow rate greater than 25 standard cubic centimeters per minute (sccm), wherein the silicon containing gas is selected from the group consisting of SiH₃CH₃, SiH(CH₃)₃, SiHCl₃, SiB_{F45} and Tetraethyl orthosilicate (TEOS); and

etching a remainder of the polysilicon film while introducing a silicon containing gas.

Claims 2-3 canceled

4. (Currently Amended) The method of claim 1, wherein the silicon containing gas further includes SiF₄ originates from a solid source of silicon introduced to the plasma etch chamber.

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5. (Original) The method of claim 1, wherein the method operation of etching substantially all of the polysilicon film that is unprotected includes,

executing a first etch to remove a hard mask; and executing a second etch to remove the polysilicon film that is unprotected.

6. (Original) The method of claim 1, wherein the method operation of etching a remainder of the polysilicon film while introducing a silicon containing gas includes,

preventing notching at a base of the polysilicon gate structure.

7. (Original) The method of claim 1, wherein the method operation of introducing a silicon containing gas includes,

terminating the etching of the polysilicon film that is unprotected; and striking an over etch plasma.

- 8. (Original) The method of claim 1, further comprising:
 forming a passivation layer from byproducts generated from the etching of the
 polysilicon film.
- 9. (Currently Amended) A method for decreasing etch rate micro-loading between differently doped material of a substrate, comprising:

striking a plasma in a chamber;

etching a dual doped gate structure of the substrate, wherein the dual doped gate structure includes a n-doped polysilicon gate and a p-doped polysilicon gate,

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wherein the n-dopted polysilicon gate and the p-doped polysilicon gate are contemporaneously etched;

forming a passivation layer from byproducts generated from the etching; and enhancing the passivation layer.

10. (Original) The method of claim 9, wherein the method operation of enhancing the passivation layer includes,

flowing a silicon containing gas into the chamber during the etching.

- 11. (Previously Presented) The method of claim 10, further comprising: flowing the silicon containing gas between a flow rate of about 25 standard cubic centimeters per minute (sccm) and 300 sccm.
- 12. (Currently Amended) The method of claim 10, wherein the silicon containing gas is selected from the group consisting of SiH₃CH₃, SiH(CH₃)₃, SiF₄, SiHCl₃, SiBr₄, and Tetraethyl orthosilicate (TEOS).
 - 13. (Canceled)
- 14. (Currently Amended) The method of claim 9 12, wherein the silicon containing gas group further includes SiF₄.

Claims 15-18 canceled

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19. (Currently Amended) A method for enhancing a polysilicon to oxide selectivity during an etching process, comprising:

providing a substrate to be plasma etched in a chamber;

striking a plasma in the chamber;

flowing a silicon containing gas into the chamber while performing an over etch step of the etching process, wherein the silicon containing gas is selected from the group consisting of SiH₃CH₃, SiH(CH₃)₃, SiHCl₃, and Tetraethyl orthosilicate (TEOS); and

depositing a layer of a silicon containing oxide over a gate oxide as the substrate is being etched, while introducing exygen into the chamber from a source external to the chamber.

20. (Cancelled)

- 21. (Previously Presented) The method of claim 19, wherein the method operation of depositing a layer of a silicon containing oxide over a gate oxide as the substrate is being etched occurs during an over etch step of the etching process.
- 22. (Previously Presented) The method of claim 19, wherein the method operation of depositing a layer of a silicon containing oxide over a gate oxide as the substrate is being etched causes a polysilicon to oxide selectivity to increase so as to prevent any etching of the gate oxide.

23. (Cancelled)

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24. (Currently Amended) The method of claim 21 19, wherein the silicon containing gas group further includes SiF₄.

Claims 25-27 canceled

- 28. (Previously Presented) The method of claim 19, wherein the source is a gas selected from the group consisting of O₂, N₂O and CO₂.
- 29. (New) The method of claim 19, wherein the source is an oxygen containing solid material selected from the group consisting of quartz and aluminum oxide.
- 30. (New) The method of claim 1, wherein the group of silicon containing gases further includes SiBr₄, SiF₄ and SiCl₄.

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